

10

15

20

APR 12 2001 5 1. (Amended) A method for diagnosing glaucoma in a person, which contrises detecting aberrant alternate splice form of the human glucocorticoid ptor (GRβ) expression or defects in a GR gene which encodes GRβ in a biological sample from said person.

- 2. The method of Claim 1 wherein GR gene defects are detected by a method selected from the group of assays consisting of: restriction fragment length polymorphism (RFLP), single-stranded conformation polymorphism (SSCP), polymerase chain reaction (PCR), denaturing gradient gel, allele specific oligonucleotide ligation, and allele specific hybridization.
- 3. (Amended) A method for diagnosing glaucoma in a person, which comprises detecting genetic changes in the GR gene leading to altered $GR\beta$ expression in a biological sample from said person.
- 4. (Amended) A method for diagnosing glaucoma in a person, which comprises detecting genetic changes outside the GR gene which lead to altered $GR\beta$ expression in a biological sample from such person.
- 5. A method for determining whether an agent is useful for treating glaucoma by determining whether it interacts with $GR\beta$ or alters the expression of $GR\beta$.